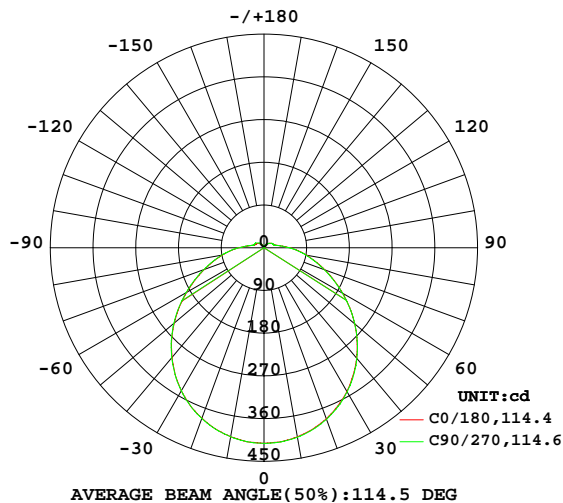


# LUMINAIRE PHOTOMETRIC TEST REPORT

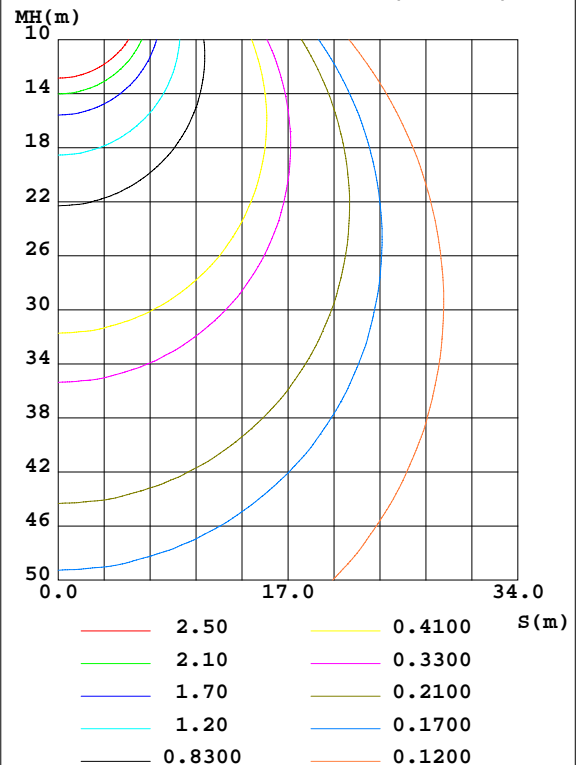
Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.20 lm/W			
MODEL	RSZ180720507-10	Imax(cd)	412.5	S/MH(C0/180)	1.26
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1412.9	$\eta$ UP,DN(C0-180)	4.3,45.5
NOMINAL FLUX(lm)	1412.91	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	4.3,45.8
LAMPS INSIDE	1	$\eta$ up(%)	8.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	$\eta$ down(%)	91.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	404.4	403.8	404.4	404.7	404.7	404.8	405.5	405.0	0- 10	38.98	38.98	2.76,2.76
20	382.4	382.1	382.9	383.4	383.6	383.9	385.0	384.3	10- 20	111.7	150.7	10.7,10.7
30	348.0	347.6	348.3	349.0	349.6	349.8	350.6	350.4	20- 30	169.5	320.2	22.7,22.7
40	301.5	301.5	302.3	303.0	304.0	303.9	304.5	304.3	30- 40	204.8	525.0	37.2,37.2
50	246.8	247.0	248.0	248.2	249.7	249.0	249.8	250.1	40- 50	213.4	738.4	52.3,52.3
60	188.4	188.8	189.6	189.2	191.4	190.3	190.7	191.6	50- 60	196.3	934.7	66.2,66.2
70	133.7	134.5	135.2	134.7	137.0	135.6	135.5	137.2	60- 70	160.5	1095	77.5,77.5
80	89.17	89.56	90.20	90.24	91.19	90.22	90.03	90.82	70- 80	118.1	1213	85.9,85.9
90	52.99	53.02	53.33	53.77	54.46	53.62	53.46	53.98	80- 90	77.78	1291	91.4,91.4
100	28.38	28.38	28.70	28.94	29.29	28.81	28.79	28.85	90-100	43.44	1334	94.4,94.4
110	20.17	20.80	21.49	20.57	21.38	20.86	21.05	21.68	100-110	24.82	1359	96.2,96.2
120	18.02	18.75	20.32	18.17	18.61	18.53	19.40	19.29	110-120	19.93	1379	97.6,97.6
130	14.34	15.87	15.95	14.22	14.63	15.28	14.80	15.76	120-130	15.30	1394	98.7,98.7
140	10.52	11.13	11.26	10.05	10.28	10.04	9.799	11.39	130-140	10.10	1405	99.4,99.4
150	6.302	6.153	6.429	5.890	5.242	5.348	5.857	6.212	140-150	5.193	1410	99.8,99.8
160	3.921	3.390	3.760	3.902	3.095	3.087	3.299	3.255	150-160	2.113	1412	99.9,99.9
170	2.800	2.092	3.100	3.054	2.362	2.510	2.250	2.264	160-170	0.8369	1413	100,100
180	0.4588	0.5262	0.5271	0.5251	0.5283	0.5274	0.5284	0.5272	170-180	0.1700	1413	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 11.9 %									UNIT:lm		

Conical surface Flux(90deg): 632.31 lm

%lum = 44.8%

%lamp = 44.8%

Conical surface Flux(120deg): 934.66 lm

%lum = 66.2%

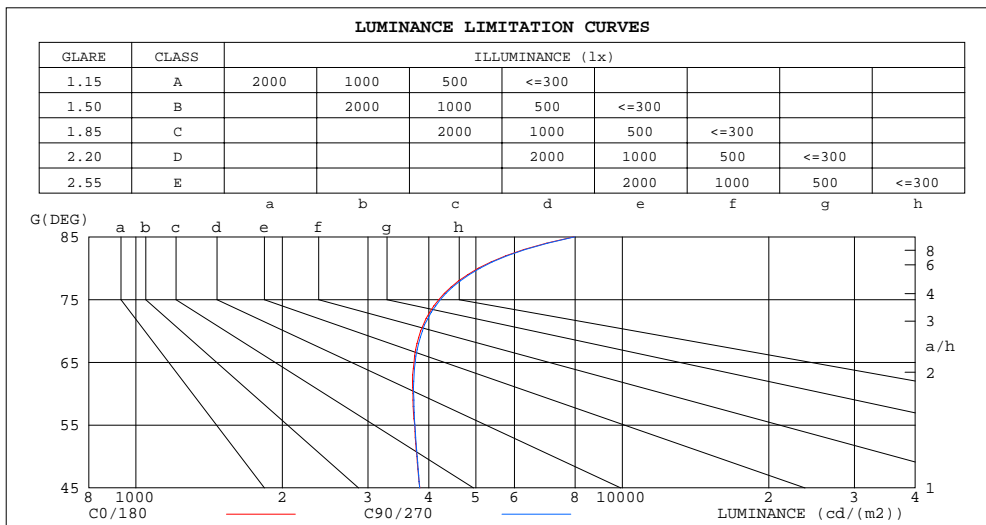
%lamp = 66.2%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7957	7987
80	5058	5099
75	4197	4226
70	3851	3881
65	3731	3751
60	3711	3722
55	3743	3746
50	3782	3787
45	3834	3833

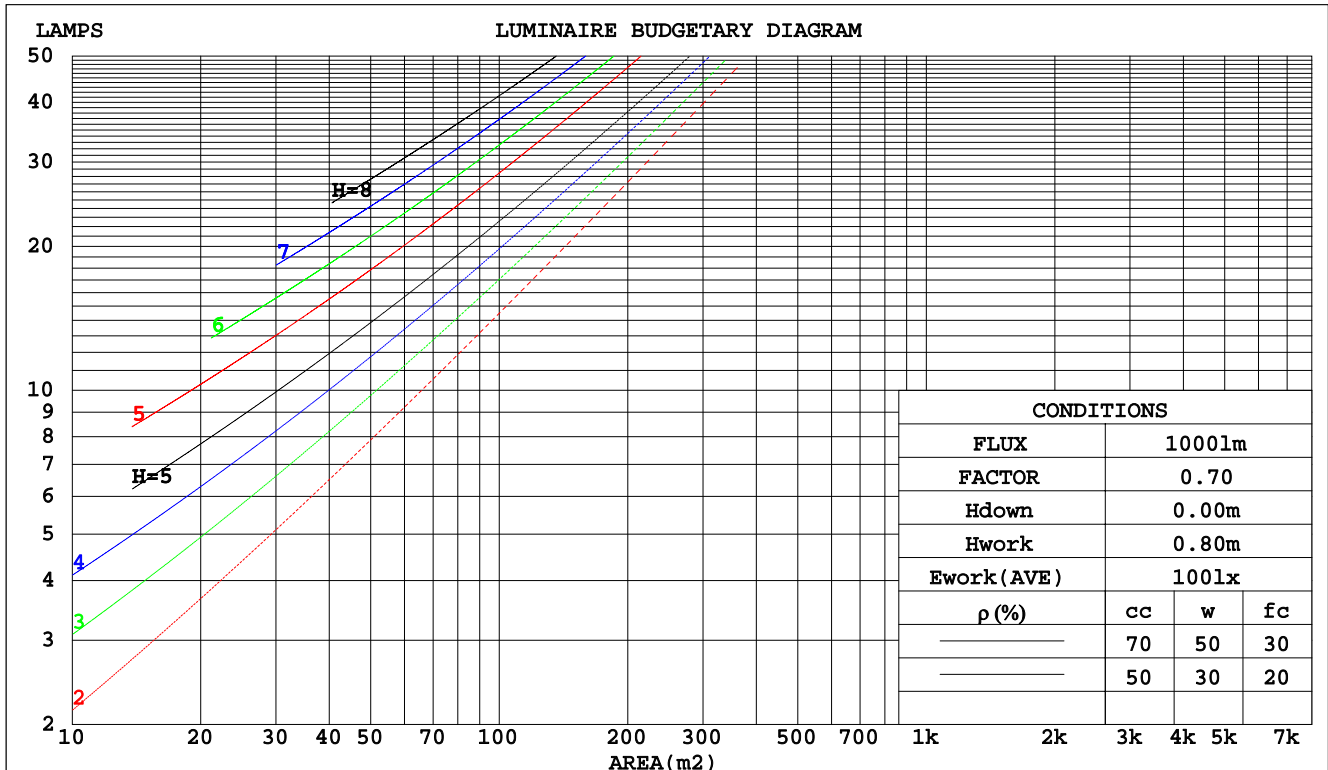
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.4DEG  
 Operators:BEN  
 Test Date:2018-08-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91lx1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.00	.00	.00	.94	.94	.94	.91
1.0	.99	.95	.90	.96	.92	.88	.90	.87	.83	.85	.82	.79	.80	.78	.75	.73
2.0	.86	.78	.72	.83	.76	.71	.78	.73	.68	.74	.69	.65	.69	.66	.62	.59
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.48	.57	.51	.46	.54	.49	.45	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.39	.36
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.32	.42	.36	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.35	.29	.41	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.36	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.24	.36	.29	.23	.35	.28	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm								
NAME: LED ceiling light				TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A				DIM.: N/A			SERIAL No.:N/A	
MFR.: Maxim Lighting				SUR.:N/A			Shielding Angle:N/A	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.355	.202	.064	.345	.197	.062	.326	.187	.060	.309	.179	.057	.294	.170	.055	
2.0	.315	.173	.053	.307	.169	.052	.290	.161	.050	.275	.154	.048	.261	.148	.047	
3.0	.284	.151	.045	.276	.148	.045	.262	.142	.043	.248	.136	.042	.235	.130	.040	
4.0	.258	.134	.039	.251	.132	.039	.238	.126	.038	.226	.121	.037	.214	.116	.035	
5.0	.236	.121	.035	.230	.118	.034	.218	.114	.033	.207	.109	.033	.197	.105	.032	
6.0	.218	.109	.031	.212	.107	.031	.201	.103	.030	.191	.099	.029	.182	.096	.028	
7.0	.202	.100	.028	.197	.098	.028	.187	.094	.027	.178	.091	.026	.169	.088	.026	
8.0	.188	.092	.026	.183	.090	.025	.174	.087	.025	.166	.084	.024	.158	.081	.024	
9.0	.175	.085	.024	.171	.083	.023	.163	.081	.023	.155	.078	.022	.148	.075	.022	
10.0	.164	.079	.022	.161	.078	.022	.153	.075	.021	.146	.073	.021	.139	.070	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.256	.256	.256	.219	.219	.219	.149	.149	.149	.086	.086	.086	.027	.027	.027	
1.0	.250	.222	.197	.214	.191	.170	.146	.131	.117	.084	.076	.068	.027	.024	.022	
2.0	.242	.199	.162	.207	.171	.140	.142	.118	.098	.082	.069	.057	.026	.022	.019	
3.0	.234	.181	.139	.201	.157	.121	.138	.109	.085	.080	.064	.050	.026	.021	.016	
4.0	.226	.169	.124	.194	.146	.108	.134	.102	.076	.077	.059	.045	.025	.019	.015	
5.0	.219	.158	.114	.188	.137	.099	.129	.096	.070	.075	.056	.041	.024	.018	.014	
6.0	.211	.150	.106	.182	.130	.093	.125	.091	.066	.073	.054	.039	.023	.018	.013	
7.0	.204	.144	.101	.176	.124	.088	.122	.087	.062	.071	.051	.037	.023	.017	.012	
8.0	.198	.138	.097	.170	.120	.084	.118	.084	.060	.069	.050	.036	.022	.016	.012	
9.0	.192	.133	.093	.165	.115	.081	.114	.081	.058	.067	.048	.034	.022	.016	.011	
10.0	.186	.129	.091	.160	.112	.079	.111	.079	.056	.065	.046	.034	.021	.015	.011	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91xl lm												
NAME: LED ceiling light					TYPE:N/A			WEIGHT:N/A				
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A				
MFR.: Maxim Lighting					SUR.:N/A			Shielding Angle:N/A				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3		
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3		
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
Room dimensions		Viewed crosswise					Viewed endwise					
x = 2H y = 2H		16.8	18.2	17.2	18.6	19.0	16.8	18.3	17.2	18.6	19.0	
		3H	18.6	19.9	19.0	20.3	20.7	18.6	20.0	19.1	20.4	20.8
		4H	19.5	20.8	20.0	21.2	21.6	19.6	20.8	20.0	21.3	21.7
		6H	20.5	21.7	20.9	22.1	22.6	20.5	21.7	21.0	22.2	22.6
		8H	21.0	22.2	21.5	22.6	23.1	21.1	22.2	21.5	22.7	23.1
		12H	21.6	22.7	22.1	23.2	23.6	21.6	22.8	22.1	23.2	23.7
4H	2H	17.4	18.7	17.9	19.1	19.6	17.5	18.7	17.9	19.1	19.6	
	3H	19.5	20.6	19.9	21.0	21.5	19.5	20.6	20.0	21.1	21.6	
	4H	20.6	21.6	21.1	22.1	22.6	20.6	21.6	21.1	22.1	22.6	
	6H	21.7	22.6	22.2	23.1	23.7	21.8	22.7	22.3	23.2	23.7	
	8H	22.3	23.2	22.9	23.7	24.3	22.4	23.2	22.9	23.8	24.3	
	12H	23.0	23.8	23.6	24.4	25.0	23.1	23.9	23.6	24.4	25.0	
8H	4H	21.0	21.8	21.5	22.4	22.9	21.0	21.9	21.6	22.4	23.0	
	6H	22.4	23.1	23.0	23.7	24.3	22.4	23.2	23.0	23.7	24.3	
	8H	23.2	23.8	23.8	24.4	25.1	23.2	23.9	23.8	24.5	25.1	
	12H	24.1	24.7	24.7	25.3	25.9	24.1	24.7	24.8	25.3	26.0	
12H	4H	21.1	21.9	21.6	22.4	23.0	21.1	21.9	21.7	22.4	23.0	
	6H	22.6	23.2	23.2	23.8	24.4	22.6	23.3	23.2	23.8	24.5	
	8H	23.5	24.0	24.1	24.6	25.3	23.5	24.1	24.1	24.7	25.3	
Variations with the observer position at spacings:												
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 1413 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

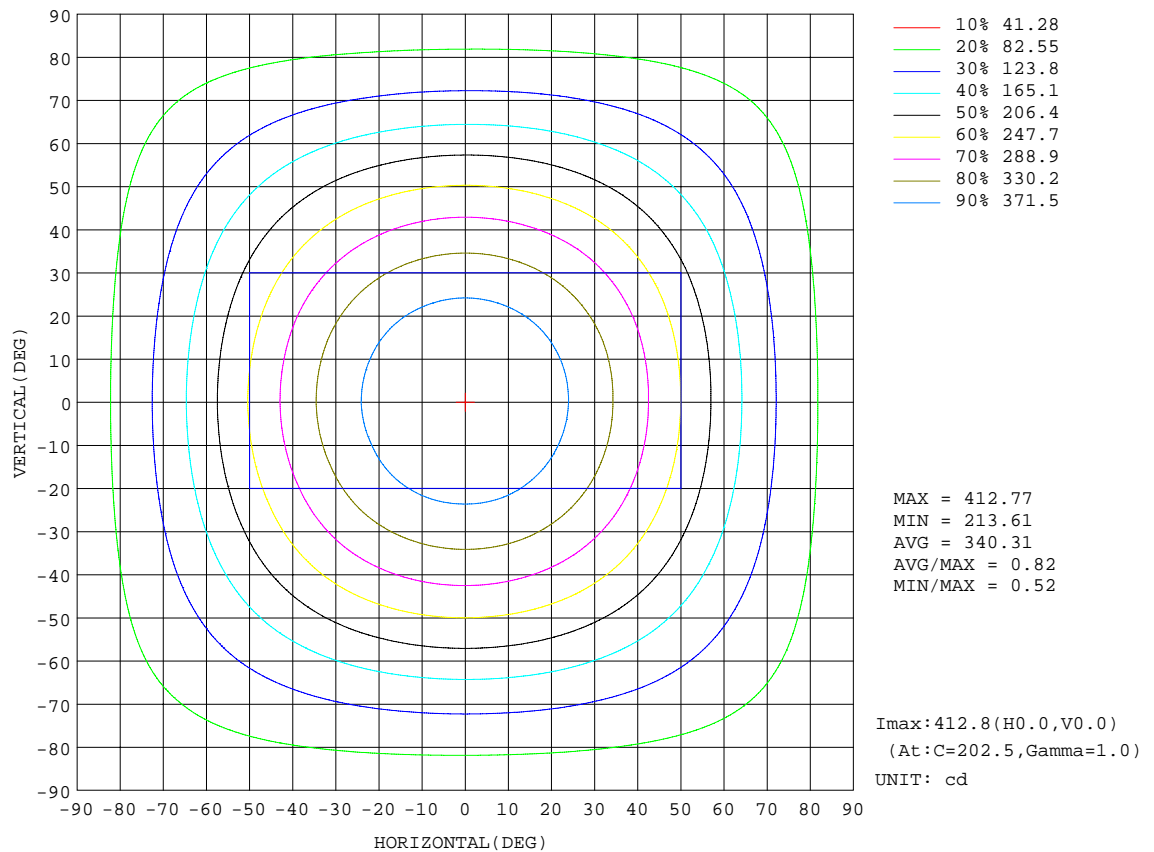
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	33	27
0.80	63	50	43	61	50	42	59	49	42	34
1.00	70	58	51	69	58	50	66	59	49	41
1.25	77	66	58	76	65	57	72	63	56	48
1.50	82	71	64	80	70	63	76	68	61	52
2.00	89	80	72	87	78	71	82	75	69	59
2.50	94	84	77	91	83	76	86	79	74	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	101	94	89	98	92	87	93	88	83	72
5.00	104	98	93	101	95	91	95	91	87	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: 10.0deg/s  
 Temperature:25.4DEG  
 Operators:BEN  
 Test Date:2018-08-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
 Humidity:45%  
 Test Distance:2.445m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



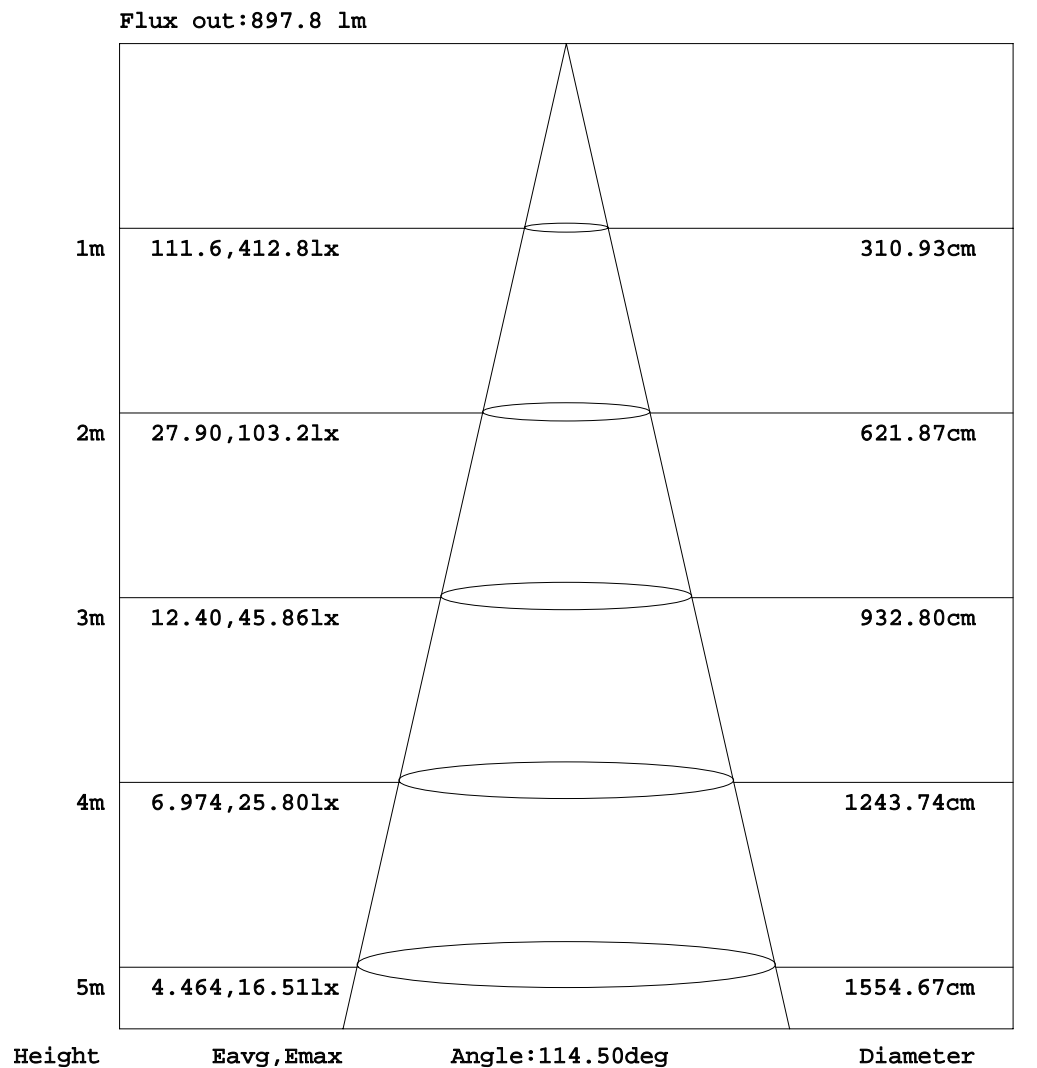
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature: 25.4DEG  
Operators: BEN  
Test Date: 2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity: 45%  
Test Distance: 2.445m [K=1.0000]  
Remarks:



AAI Figure

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91lx1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



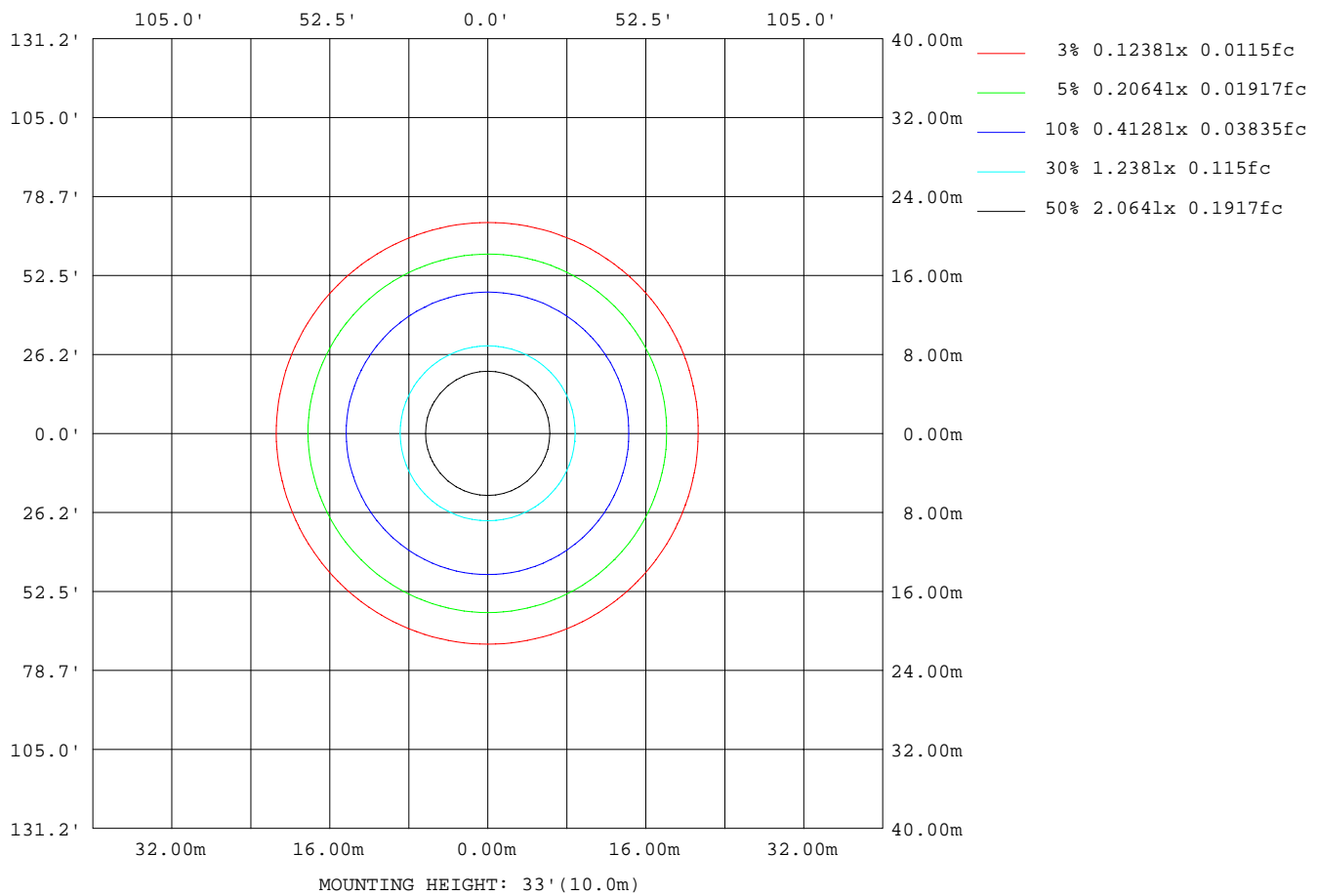
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

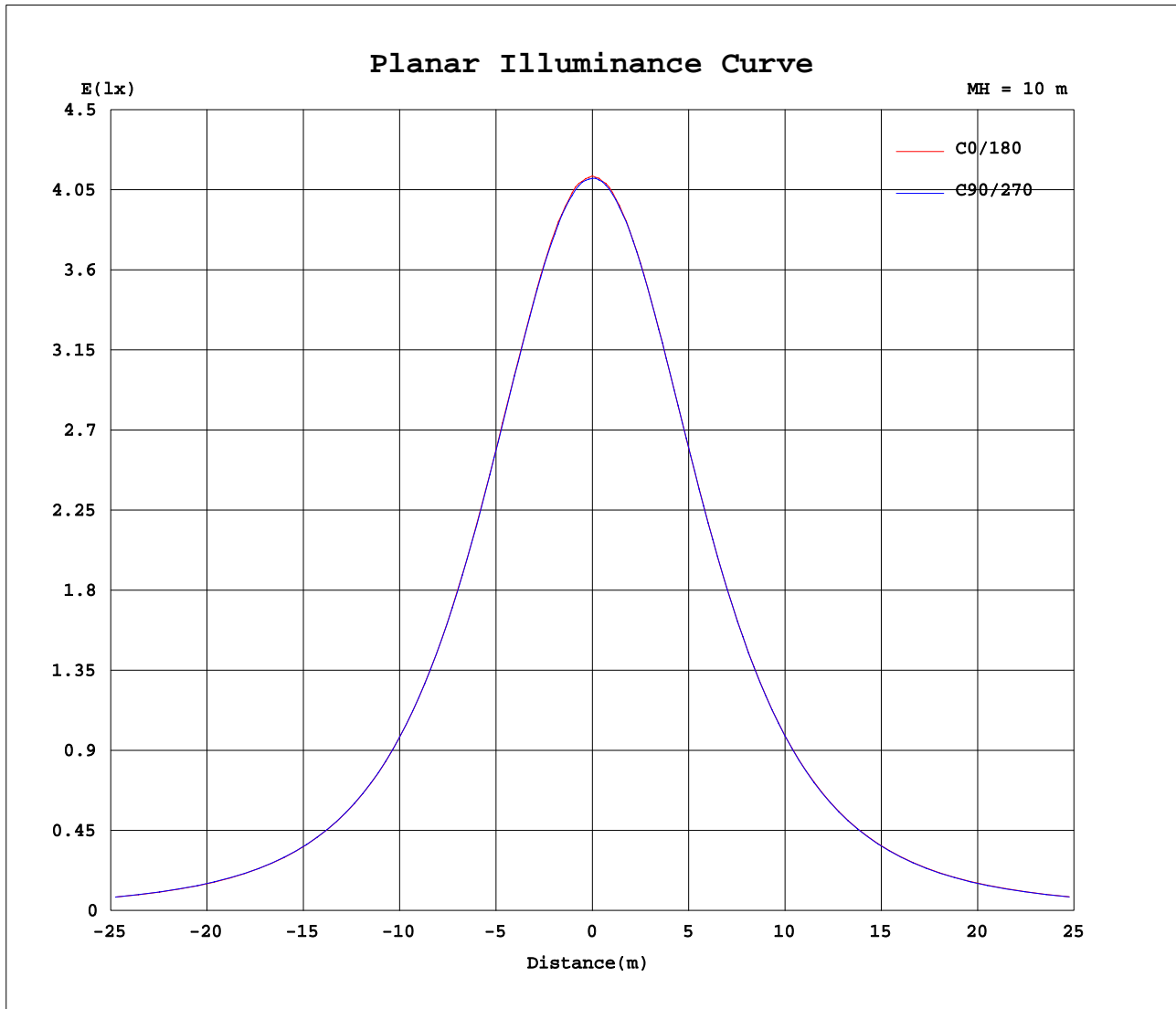
AvgL	cd/m2
L_0~180(65)av	3758
L_0~180(75)av	4229
L_0~180(85)av	8034
L_90~270(65)av	3762
L_90~270(75)av	4228
L_90~270(85)av	8003
L_45(65)av	3761
L_45(75)av	4228
L_45(85)av	8021

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature:25.4DEG  
Operators:BEN  
Test Date:2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity:45%  
Test Distance:2.445m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
Temperature: 25.4DEG  
Operators: BEN  
Test Date: 2018-08-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.351  
Humidity: 45%  
Test Distance: 2.445m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1653A P:19.57W PF:0.9867 Lamp Flux:1412.91x1 lm		
NAME: LED ceiling light	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: Maxim Lighting	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412			
5	410	410	410	410	410	409	410	410	410	411	411	410	411	410	410	411			
10	404	405	404	404	404	404	405	404	405	405	405	405	406	405	405	405			
15	395	395	395	395	396	395	395	396	396	396	397	396	397	396	396	397			
20	382	383	382	382	383	382	383	383	384	385	384	384	385	383	384	384			
25	367	367	367	367	367	367	367	367	368	369	369	369	369	368	369	369			
30	348	349	348	348	348	348	349	348	350	350	350	349	351	350	350	350			
35	326	327	326	326	326	326	327	327	328	329	328	328	329	328	329	329			
40	302	302	301	302	302	302	303	302	304	305	304	304	305	304	304	304			
45	275	276	275	275	276	275	276	276	277	279	278	277	278	277	278	278			
50	247	247	247	247	248	247	248	248	250	250	249	249	250	249	250	250			
55	218	218	218	218	219	218	219	219	221	221	220	220	220	220	221	221			
60	188	188	189	189	190	189	189	190	191	192	190	190	191	191	192	191			
65	160	160	161	161	161	161	161	161	163	163	162	162	162	162	163	163			
70	134	134	135	135	135	135	135	135	137	137	136	135	135	136	137	136			
75	110	110	111	111	111	111	111	111	112	112	111	111	111	112	112	112			
80	89.2	89.4	89.6	89.9	90.2	90.1	90.2	90.1	91.2	91.0	90.2	89.6	90.0	90.4	90.8	90.6			
85	70.4	70.5	70.5	70.5	70.9	71.2	71.3	71.1	72.1	72.0	71.0	70.6	71.0	71.2	71.6	71.4			
90	53.0	53.1	53.0	53.0	53.3	53.5	53.8	53.6	54.5	54.3	53.6	53.2	53.5	53.7	54.0	54.0			
95	38.6	38.7	38.6	38.5	38.7	39.0	39.3	39.1	39.9	39.8	39.2	39.0	39.1	39.2	39.4	39.5			
100	28.4	28.4	28.4	28.2	28.7	28.7	28.9	28.8	29.3	29.1	28.8	28.8	28.8	28.9	28.9	29.1			
105	22.2	22.3	22.4	22.2	22.7	22.6	22.7	22.7	22.9	22.8	22.7	22.6	22.8	22.9	22.8	22.9			
110	20.2	20.2	20.8	21.3	21.5	20.8	20.6	20.8	21.4	21.4	20.9	20.8	21.1	21.7	21.7	21.0			
115	19.3	19.4	20.0	20.6	20.7	20.0	19.7	19.8	20.2	20.2	20.0	20.1	20.2	20.7	20.6	20.1			
120	18.0	18.1	18.7	19.8	20.3	18.9	18.2	18.2	18.6	18.6	18.5	19.1	19.4	19.3	19.3	18.8			
125	16.3	16.7	17.6	17.8	17.8	17.0	16.3	16.3	16.7	17.1	17.1	16.8	16.9	17.6	17.6	17.0			
130	14.3	14.6	15.9	16.0	15.9	15.1	14.2	14.2	14.6	14.7	15.3	14.7	14.8	15.8	15.8	15.1			
135	12.4	12.8	13.3	14.4	14.4	13.4	12.2	11.9	12.4	12.6	12.5	13.0	12.9	13.9	13.7	13.0			
140	10.5	10.6	11.1	11.7	11.3	11.1	10.1	9.79	10.3	10.2	10.0	10.3	9.80	11.5	11.4	10.8			
145	8.20	8.25	8.42	8.82	9.29	8.62	7.72	7.25	7.38	7.37	7.36	7.54	8.08	8.48	8.78	8.26			
150	6.30	6.27	6.15	6.33	6.43	6.16	5.89	5.82	5.24	5.50	5.35	5.57	5.86	6.01	6.21	6.50			
155	4.70	4.79	4.37	4.60	4.65	4.71	4.68	4.21	3.95	3.88	3.90	4.07	4.34	4.39	4.34	4.46			
160	3.92	3.91	3.39	3.67	3.76	3.89	3.90	3.24	3.10	2.99	3.09	3.27	3.30	2.66	3.26	3.13			
165	3.18	3.17	2.95	3.25	3.35	3.45	3.47	2.58	2.83	2.79	2.81	2.86	2.74	2.07	2.14	2.84			
170	2.80	2.34	2.09	2.23	3.10	3.09	3.05	1.80	2.36	2.51	2.51	2.58	2.25	2.03	2.26	2.52			
175	1.23	1.15	0.91	1.19	1.60	1.66	1.00	0.72	1.28	1.31	1.45	1.49	1.26	1.75	1.97	1.54			
180	0.46	0.51	0.53	0.53	0.53	0.53	0.53	0.14	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: 10.0deg/s  
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